

TITLE OF THE INVENTION

A SPARK PLUG AND A METHOD OF PRODUCING THE SAME

ABSTRACT OF THE DISCLOSURE

Reliability in connection between a chip and a base material
5 (at least one of the central electrode and the ground electrode) of a
spark plug is improved by forming a plurality of welding layers at
connection between the chip and the base material in a distance
increasing direction from the central electrode with overlap. With
respect to section along the connection surface the sum of the
10 sectional area of the first weld layer and the second weld layer at the
overlap portion between the first and second weld layers is equal to
or greater than 1.4 times the sectional are of the chip. A stress
releasing layer of which linear expansion coefficient is between those
of the chip and the base material may be provided between the chip
15 and the base material for welding.

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